

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-10 (Canceled).

Claim 11 (New). Method for producing a core sand and/or molding sand for casting purposes, according to which

- a basic granular mineral molding material having an average grain size less than 0.05 mm is mixed with additive grains of an additive on the basis of an organic and inorganic component, whereby

- the gas amount emitted by the additive in the temperature range of 25°C to 800°C is less than 500 ml/g, and according to which

- the additive grains are coarsely ground or pelletized before the mixing process, so that more than 50 wt.-% of the additive grains in question have a grain size of at least approximately 0.05 mm.

Claim 12 (New). Method for the production of a core sand and/or molding sand for casting purposes, according to which

- basic granular mineral molding material grains having an average grain size less than 0.05 mm are impregnated with a sheathing of an additive on the basis of an organic and inorganic component, and consequently form aggregate grains of basic molding material grains sheathed with the additive, in each instance, whereby

- the gas amount emitted by the additive in the temperature range of 250°C to 800°C is less than 500 ml/g, and according to which

- the aggregate grains are coarsely ground or pelletized before the mixing process, so that more than 50 wt.-% of the aggregate grains in question have a grain size of at least approximately 0.05 mm.

Claim 13 (New). Method according to claim 11, wherein the core sand and/or molding sand has not only basic molding material grains but also additive grains as well as aggregate grains.

Claim 14 (New). Method according to claim 11, wherein the organic component in the additive constitutes up to 90 wt.-%, and the inorganic component constitutes up to 80 wt.-% of the additive.

Claim 15 (New). Method according to claim 11, wherein the oxygen content, preferably of the organic component of the additive, is less than 30 wt.-%, particularly less than 20 wt.-%.

Claim 16 (New). Method according to claim 11, wherein the gas amount emitted by the additive until a temperature in the range of 250°C to 800°C is reached is less than 350 ml/g, when heated.

Claim 17 (New). Method according to claim 11, wherein the organic component contains up to 50 to 98 wt.-% carbon, with reference to the weight of the component in question.

Claim 18 (New). Method according to claim 11, wherein the organic substances coal, hydrocarbon resins, bitumen, etc., as well as mixtures thereof are used.

Claim 19 (New). Method according to claim 11, wherein the surface of the additive grains and/or the aggregate grains is sealed by means of coating or impregnation.

Claim 20 (New). Method according to claim 11, wherein more than 70 wt.-% of the additive grains and/or aggregate grains, particularly more than 90 wt.-%, possess a grain size of approximately 0.05 mm and more, preferably a grain size of 0.09 mm and more.